

Please type a plus sign (+) inside this box



# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 60]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
4.  Claim(s) [ Total Sheets 8 ]  
 Abstract of the Disclosure [ Total Sheets 1 ]
5.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 9 ]
6.  Oath or Declaration [ Total Pages ]
- a.  Newly executed (original or copy)
- b.  Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
  - i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
7.  Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP)

of prior application No.: PCT/AU02/00542, 5/2/02

Prior application information: Examiner \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	21003 (Insert Customer No. or Attach bar code/label here)		or	<input type="checkbox"/> Correspondence address below
Name				
Address				
City	State		Zip Code	
Country	Telephone		Fax	
Name (Print/Type)	Carmella L. Stephens		Registration No. (Attorney/Agent)	41,328
Signature	<i>Carmella L. Stephens</i>		Date	10/31/03

22-54  
10/699035  
103103

# BAKER BOTTS LLP

## FEE TRANSMITTAL for FY 2003

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** **(\$ 1,854)**

Complete if Known	
Application Number	to be assigned
Filing Date	October 31, 2003
First Named Inventor	Bateman
Examiner Name	to be assigned
Art Unit	to be assigned
Attorney Docket No.	A36056-PCT-USA-A 071838.0142

### METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None

Deposit Account:

Deposit Account Number  
02-4377  
Deposit Account Name  
Baker Botts LLP

The Commissioner is authorized to: (check all that apply)  
 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee required under 37CFR 1.16 and 1.17  
 Charge fee(s) indicated below, except for the filing fee  
 to the above-identified deposit account.

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 770	2001 385	Utility filing fee	770
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
<b>SUBTOTAL (1)</b>		<b>(\$ 770)</b>	

#### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
42	11		- 20 = 22	x 18 = 396	
			- 3 = 8	x 86 = 688	

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2)</b>		<b>(\$ 1,084)</b>

\*\*or number previously paid, if greater; For Reissues, see above

#### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 630	2503 315	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify)			

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$0)**

### SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Carmella L. Stephens	Registration No. (Attorney/Agent)	41,328	Telephone	212.408.2539
Signature	<i>Carmella L. Stephens</i>			Date	October 31, 2003

## Addendum Sheet 2

18a. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation     Divisional     Continuation-in-part (CIP)    of prior application No.: PCT/AU02/00542  
Prior application information: \_\_\_\_\_ Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

18b. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation     Divisional     Continuation-in-part (CIP)    of prior application No.: \_\_\_\_\_  
Prior application information: \_\_\_\_\_ Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

18c. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation     Divisional     Continuation-in-part (CIP)    of prior application No.: \_\_\_\_\_  
Prior application information: \_\_\_\_\_ Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

Amend the specification by inserting before the first line the sentence(s)

"This application is a  Continuation  Divisional  Continuation-in-part (CIP) of:

"This application is based upon:

    prior application No.: \_\_\_\_\_, incorporated by reference herein,

which is a  Continuation  Divisional  Continuation-in-part (CIP) of:

which is based upon:

    prior application No.: \_\_\_\_\_, incorporated by reference herein,

which is a  Continuation  Divisional  Continuation-in-part (CIP) of:

which is based upon:

    prior application No.: \_\_\_\_\_, incorporated by reference herein,

which is a  Continuation  Divisional  Continuation-in-part (CIP) of:

which is based upon:

    prior application No.: \_\_\_\_\_, incorporated by reference herein,

which is a  Continuation  Divisional  Continuation-in-part (CIP) of:

which is based upon:

    prior application No.: \_\_\_\_\_, incorporated by reference herein,

which is a  Continuation  Divisional  Continuation-in-part (CIP) of:

which is based upon:

    prior application No.: \_\_\_\_\_, incorporated by reference herein

Priority under 35.U.S.C. §119 is claimed based upon the following applications.

Foreign Applications:

Country: Australia Serial No: PR4701 Filing Date: May 2, 2001

Country: \_\_\_\_\_ Serial No: \_\_\_\_\_ Filing Date: \_\_\_\_\_

Country: \_\_\_\_\_ Serial No: \_\_\_\_\_ Filing Date: \_\_\_\_\_

Provisional Applications:

Serial No: \_\_\_\_\_ Filing Date: \_\_\_\_\_

Serial No: \_\_\_\_\_ Filing Date: \_\_\_\_\_

Serial No: \_\_\_\_\_ Filing Date: \_\_\_\_\_

**\*Question 4 Addendum**4.a. Drawings are  formal  informal**\* Question 5 Addendum**5.c.  An unsigned oath or declaration is included.**\* Question 8 Addendum**8.d.  A sequence submission will follow.**\* Question 9 Addendum**9.a.  Assignment documents will follow.9.b.  Assignment documents have been filed in parent application No.**\* Question 11 Addendum**11.a.  English translation will follow.**\* Question 12 Addendum**12.a.  Copies of IDS citations will follow.**\* Question 15 Addendum**15.a.  Certified copies of priority documents will follow.15.b.  Certified copies of priority documents have been filed in parent application No.

Use the space below for additional information

Title (continued):

A MOLECULAR MARKER

**CERTIFICATION UNDER 37 C.F.R. 1.8(a) OR 1.10\***

*(When using Express Mail, the Express Mail label number is mandatory; Express Mail Certification is optional.)*

I hereby certify that, on the date shown below, this correspondence is being:

**MAILING**

deposited with the United States Postal Service in an envelope addressed to the Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450

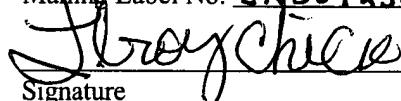
**37 C.F.R. 1.8(a)**

**37 C.F.R. 1.10\***

with sufficient postage as first class mail.

as "Express Mail Post Office to Address"

Mailing Label No. ER 589 236304 US (mandatory)

  
Signature

Date: October 31, 2003

**Leroy Chick**

*(type or print name of person certifying)*

**\*WARNING:** *Each paper of fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing 37 C.F.R. 1.10(b). Since the filing of correspondence under § 1.10 without the Express Mail label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition. "Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.*